

IPOB-ELS8IRZ5A-EP

8MP 5x Zoom Starlight IP Bullet



System Overview

This 8MP 5X zoom camera is a motorized varifocal bullet style camera. With its 4K resolution, you can achieve superior image quality over any other available resolution. Featuring a motorized 7mm to 35mm optical zoom lens allowing you to cover a large area through a wide angle view or a small concise area through a narrow view. Comes with patented Starlight™ technology, Wide Dynamic Range, Head Light Balance, Back Light Balance and IVS (Tripwire, Abandoned or Missions Objects, Intrusion and Facial Detection).

Functions

ePoE technology

The ePoE technology adopts advanced 2D-PAM3 coding modulation from physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. It supports PoE and PoC power supply technology which has greatly simplified construction and wiring. ePoE technology offers a new way to accomplish long distance transmission between IP camera and network switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

4K technology

4K technology is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

Wide Dynamic Range

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

- 1/2.5" 8Megapixel progressive scan CMOS
- H.265&H.264 dual-stream encoding
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 7mm ~35mm 5x zoom lens
- 2/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 100m
- Micro SD memory, IP67, IK10, PoE



Intelligent Video System (IVS)

IVS system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.

Protection(IP67, IK10, wide voltage)

This camera allows for $\pm 30\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments.

Smart H.265+

Smart H.265+ technology is a collection of intelligent encoding algorithms based on H.265. To meet the characteristics of video surveillance, Smart H.265+ adopts some key video encoding techniques can be flexibly added/deleted or combined according to different applications and products. Smart H.265+ codec can effectively enhance video encoding efficiency according to the characteristics of different surveillance environments; furthermore, it can greatly reduce transmission bit rate, storage capacity to improve the overall system.

Technical Specification						Day/Night		Auto(ICR) / Color / B/W	
Camera						BLC Mode		BLC / HLC / WDR	
Image Sensor		1/2.5" 8Megapixel progressive scan CMOS				White Balance		Auto/Natural/Street Lamp/Outdoor/Manual	
Effective Pixels		3840(H)x2160(V)				Gain Control		Auto/Manual	
RAM/ROM		512MB/32MB				Noise Reduction		3D DNR	
Scanning System		Progressive				Motion Detetion		Off / On (4 Zone, Rectangle)	
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				Region of Interest		Off / On (4 Zone)	
Minimum Illumination		0.05Lux/F1.4 (Color,1/3s,30IRE) 0.2Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4(IR on)				Electronic Image Stabilization (EIS)		N/A	
S/N Ratio		More than 50dB				Smart IR		Support	
IR Distance		Distance up to 100m (328ft)				Defog		N/A	
IR On/Off Control		Auto/ Manual				Digital Zoom		16x	
IR LEDs		4				Flip		0°/90°/180°/270°	
Lens						Mirror		Off / On	
Lens Type		Motorized/ Auto Iris(HALL)				Privacy Masking		Off / On (4 Area, Rectangle)	
Mount Type		Board-in				Audio			
Focal Length		7mm~35mm				Compression		G.711a/ G.711Mu/ AAC/ G.726	
Max. Aperture		F1.4				Network			
Angle of View		H:38°~14° , V:22°~8°				Ethernet		RJ-45 (10/100Base-T)	
Optical Zoom		5x				Protocol		HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP	
Focus Control		Motorized				Interoperability		ONVIF, PSIA, CGI	
Close Focus Distance		0.6m				Streaming Method		Unicast / Multicast	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Max. User Access		10 Users /20 Users	
	W	234m(767ft)	94m(308ft)	47m(154ft)	23m(75ft)	Edge Storage		NAS Local PC for instant recording Mirco SD card 128GB	
	T	765m(2509ft)	306m(1004ft)	153m(502ft)	76m(251ft)	Web Viewer		IE, Chrome, Firefox, Safari	
Pan/Tilt/Rotatio						Management Software		Smart PSS, DSS, Easy4ip	
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°				Smart Phone		IOS, Android	
Intelligence						Certi ation			
IVS		Tripwire, Intrusion, Object Abandoned/Missing				Certifications		CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Advanced Intelligent Functions		Face Detection				Interface			
Video						Video Interface		1 Port(For adjustment only)	
Compression		H.265+/H.265/H.264+/H.264				Audio Interface		1/1 channel In/Out	
Streaming Capability		3 Streams				RS485		N/A	
Resolution		4K(3840×2160)/ 6M(3072×2048)/5M(3072×1728)/ 5M(2592×1944)/ 4M(2688×1520)/ 3M(2048x1536)/ 3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280x960)/ 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/ CIF(352×288/352×240)				Alarm		2/1 channel In/Out2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	
Frame Rate		Main Stream: 4K(1~15fps)/3M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P(1~25/30fps)				Electrical			
Bit Rate Control		CBR/VBR				Power Supply		DC12V, PoE (802.3af)(Class 0)	
Bit Rate		H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps				Power Consumption		<12.95W	

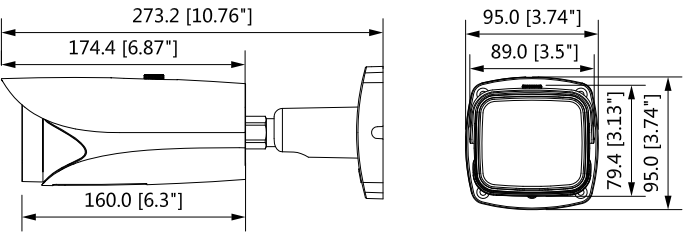
Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Constructio

Casing	Metal
Dimensions	273.2mm×95.0mm×95.0mm (10.76"×3.74"×3.74")
Net Weight	1.11Kg (2.44lb)
Gross Weight	1.51Kg (3.33lb)

Dimensions (mm/inch)



Accessories

Optional:



JB-EL121
Junction box



PM-EL152-E
Pole Mount

Junction Mount	Pole Mount
JB-EL121	JB-EL121 + PM-EL152-E
